

Date : 4/23/2020 4:24:22 PM
From : "seanyu@epochlifescience.com" seanyu@epochlifescience.com
To : "Yin (Whitney), Yuhui W." ywyin@UTMB.EDU
Subject : RE: synthesize a clone
Attachment : MN908947.gb;

WARNING: This email originated from outside of UTMB's email system. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Whitney,

I need your help to identify the DNA sequence for the RNA polymerase. Thanks

Sean

From: Yin (Whitney), Yuhui W. <ywyin@UTMB.EDU>
Sent: Thursday, April 23, 2020 4:07 PM
To: seanyu@epochlifescience.com
Subject: Re: synthesize a clone

Hi Sean,

Let's make a native one first. Do you see problem in expressing the native sequence in E. coli?

This is following a published protocol, attached.

Thanks for your rapid reply

From: Sean Yu <seanyu@epochlifescience.com>
Date: Thursday, April 23, 2020 at 3:48 PM
To: Yuhui Yin <ywyin@UTMB.EDU>
Subject: RE: synthesize a clone

WARNING: This email originated from outside of UTMB's email system. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Whitney,

Do you need the native DNA sequence or you need codon optimization for E. coli expression? Thanks

Sean

From: Yin (Whitney), Yuhui W. <ywyin@UTMB.EDU>
Sent: Thursday, April 23, 2020 3:17 PM
To: Sean Yu <seanyu@epochlifescience.com>
Subject: synthesize a clone

Hi Sean,

Hope you are well.

I would like to synthesize a gene for SARS-CoV-2 RNA polymerase. Specifically, COVID-19 virusnsp12 (GenBank: MN908947) gene was cloned into a modified pET-22a vector, with the C-terminus possessing a 10x His-tag.

Please let me know if this can be done quickly.
Thanks!

Whitney

Whitney Yin
Department of Pharmacology and Toxicology
University of Texas Medical Branch
BSB3.110, 301 University Blvd,
Galveston, TX 77555
TEL: 409-772-9631
EMAIL: ywyin@utmb.edu